Qty:

Monday, 2/27/2006 4:22:06 PM

User:

Kim Johnston

Process Sheet

Drawing Revision

Material

Due Date

: SADDLE FITTING, FWD (OUTBOARD/INBOARD) Customer : CU-DAR001 Dart Helicopters Services **Drawing Name** Job Number : 25996 **Estimate Number** : 10530 Part Number : D2571 P.O. Number :NIA : D2571 REV E : 2/27/2006 S.O. No. : NIA **Drawing Number** This Issue Prsht Rev. : NC **Project Number** : N/A

: MACHINED PARTS

: NIA First Issue : 25897 **Previous Run**

Written By

Checked & Approved By Comment

Re-format; Change to Dwg Rev. D &

incorporated D2572KJ

Type

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0 D6101007

7075-T7351 8.25X7.75X2.5

Comment: Qty.:

1.0000 Each(s)/Unit Total: 8.0000 Each(s)

7075-T7351 8.25X7.75X2.5

Make from D6101-007 billet for D2571 Ensure that grain is along 7.75" length 8

Batch No: **B24893**

: E

: NIA

: 3/20/2006

06/03/25

8

8 Um:

Each

2.0

HAAS1

HAAS CNC VERTICAL MACHINING #1



Comment: HAAS CNC VERTICAL MACHINING #1

Program Batch No. 25996 Double check by: SS

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets

2-Machine Step No 2 per Folio FA051 and inspect per attached Dimension Sheets

3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets

4-Deburr and remove all machining marks

5-Tumble to remove sharp edges.

06103125

3.0

MILLING CONV.

CONVENTIONAL MILLING MACHINE

Comment: CONVENTIONAL MILLING MACHINE

Machine keyway as per dwg D2571 & D2572

06103127 8

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHIN

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

8 06/03/27

Page 1

Form: rprocess

PHO

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE					Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
			1		1							
					5							

Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date: Seloyloy
			QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B		Verification	Approval	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector			
0663,2	8 ZI	RZ.000 Dimension ("A)") 15 R1.991 0.125" dimension ("W") 15 0.118"	06.03.18	Correcting RZ.000 dimension would result in well that 15 toos thin. See DS emil. SCRAP PART, cand	,	06 03:243	06.03.28 pr QSI 042	B 003.28			
,		on one part	asiur	Replace	66/03/2	<u> </u>					
						,					
				·							

NOTE: Date & initial all entries

Monday, 2/27/2006 4:22:06 PM Date: User: Kim Johnston **Process Sheet** Drawing Name: SADDLE FITTING, FWD (OUTBOARD/INBOARD) Customer: CU-DAR001 Dart Helicopters Services Job Number: 25996 Part Number: D2571 Job Number: Seq. #: Description: **Machine Or Operation:** SECOND CHECK 5.0 QC8 Comment: SECOND CHECK R HAND FINISHING HAND FINISHING RESOURCE #1 6.0 Comment: HAND FINISHING RESOURCE #1 Acid etch and Alodine as per QSI 005 4.1 7.0 POWDER COATING POWDER COATING Comment: POWDER COATING DU Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION 8.0 QC3 Comment: INSPECT POWDER COAT 9.0 PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 10.0 DOCUMENT CONTROL Comment: DOCUMENT CONTROL Inspection Level 21 Job Completion

Dart Aerospace Ltd

W/O:					WORK	ORDE	R CHA	NGES					
DATE	STEP		 	PROCEI	OURE CHANGE		٨		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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						,	2500 2500 2000 2000	•					7,

Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
	Ç.		QA: N/C Closed:	Date:

NCR:		,	ORK OR	DER NON-CONFORM	ANCE (NCR)					
	> 8	Description of NC		Corrective Action Sec	tion B	Verification Section C	Approval Chief Eng	Approval QC Inspector		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date					
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NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	25996
Description: Saddle, Fwd Outboard	Part Number:	D2571
Inspection Dwg: D2571 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2571 Rev. E and record below:

				Re	corded Acti	ual Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	DT8682	0-438	0.438	6.439	6.438		
В	1.745	1.755		1.747	1.745	1.745	1.745		
С	3.495	3.505		3.499	3.495	3.495	3.455		
D	1.745	1.755		1.747	1.745	1.745	1.745		
Ē	7.990	8.010		8-004	8.005	8.005	6.006		
F	0.490	0.510		0.501	0.497	0.500	0.496		
G	0.257	0.262	DT8683	0-257	0.257		0.257		
Н	0.375	0.380	DT8684	0.375	0.375	0.375	0.375		
1	0.490	0.510	240	0.498	0.50	0.500	0.50		
J	1.174	1.184		1.177	1.177	11177	1,177		
K	0.558	0.578		0.568	0.565	0.564	0.566		
L	1.174	1.184		1.177	1.177	1.177	1.177		
М	1.490	1.500		1.494	1.495	1494	1.495		
N	2.495	2.505		2.499	2496	2.496	2498		
0	3.869	3.879		3.873	3.872	3.871	3.872		
Р	0.115	0.135		0.122	6.130	0 126	0.129		
Q	0.115	0.135		0.122	0.130	6.130	0.130		
R	0.240	0.260		0.250	0.254	0.852	0.754		
S	0.115	0.135		0.125	0.126	0.125	0.126		
Т	0.178	0.198		881.0	0.188	0./99	6.193		
U	2.940	2.980		2.966	2.960	2.860	2.966		
V	0.230	0.250		0.240	0.245	0.246	0-247		
W	0.115	0.135		0-125	0.118	0.118	0.118		
X	0.308	0.313		0.310	0.310	0-3/0	0.310		
Υ	0.760	0.765		0.760	0.760	o-760	0.760		
Z	0.352	0.372		0.360	0.360		0.360		
AA	0.470	0.530		0.500	0.500	0.204	0.500		
AB	0.615	0.635		0.624	0.628	6.621	0.625		
AC	0.053	0.073		0-063	0.063	0.063	0.063		
AD	0.240	0.260		0.250	0.254	0 252	0-250		
ΑE	1.375	1.395		1.387	1.386	1.390	1.393 *		
AF	0.115	0.135		0.193	0-130	0.130	6.130		
AG	0.240	0.280		0.760	6.260	0.260	0.260		
АН	0.240	0.260		0-244	0786	6.254	0.251		
ΑI	2.000	2.020		2-000	2.002	2.002	2.002		
AJ	0.023	0.043		0.033	0.030	0030	6.030		
	Acc	ept/Reje	ct						

Measured by: 5.6 /cr	Audited by Try
Date: 66/03/28	Date: 06/03/29

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.24	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

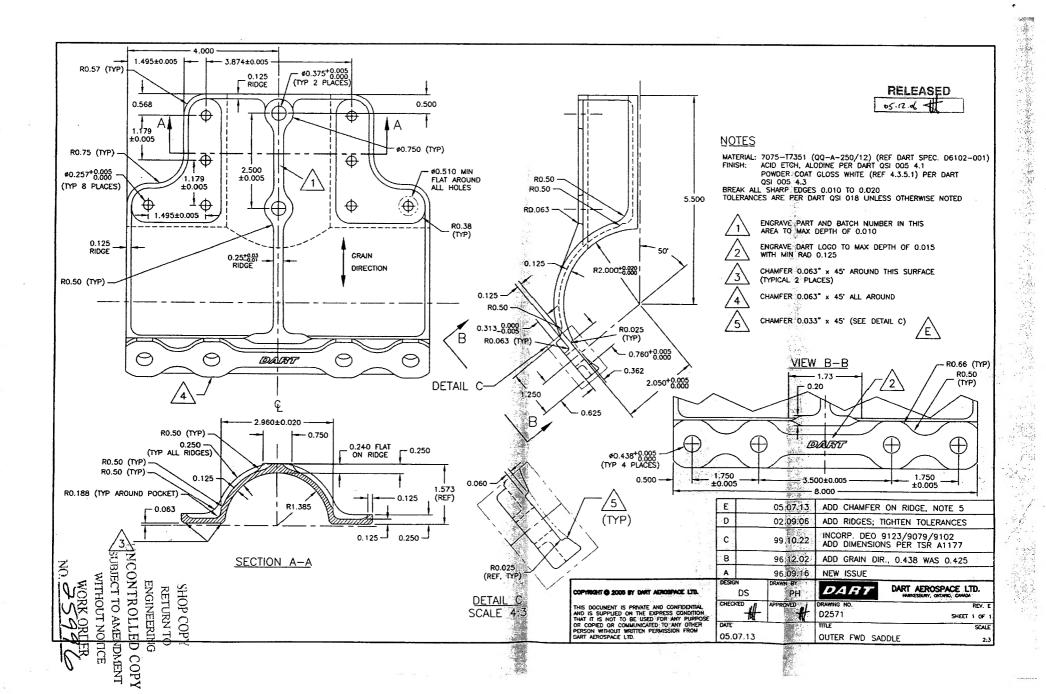
DART AEROSPACE LTD	Work Order:	25996
Description: Saddle, Fwd Outboard	Part Number:	D2571
	1	
Inspection Dwg: D2571 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2571 Rev. E and record below:

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С	3.495	3.505		3.495	3.495	3.495	3.497		
D	1:745	1.755		1.745	1.247	1.745	1.745		
Е	₹7.990	8.010		8.004	8.005	8.005	8.005		
F	0.490	0.510		0.502	0.499	0.499	0.499		
G	0.257	0.262	DT8683	0.257	0.257	0.257	0.257		
Н	0.375	0.380	DT8684	0.375	6.375				
1	0.490	0.510		0.498	0.502	6.502			
J	1.174	1.184			11/77	1.137	1:178		
K	0.558	0.578		0.564	0565	0.567	0.564		
L,	1.174	1.184		1.177	1.177	1,177	1.178		
М	1.490	1.500		1.496	1.495	1.177	1.178		
N	2.495	2.505		2.498	2.496	2.497	2.495		
0	3.869	3.879		3.842	3.872	3.872	3.872		
Р	0.115	0.135		0 128	0-130	0 178	0.78		
Q	0.115	0.135		0.130	0.130	6.130	0.130		
R	0.240	0.260		0.253	Q. 254	0.254	6.254		
S	0.115	0.135		0.126	0-124	0.176			
Т	0.178	0.198		0.188	0.138	0.188	0./88		
U	2.940	2.980		2.960	2.960	2.966	2.960		
V	0.230	0.250		0.245	6.244	0-248	0.248		
W	0.115	0.135		0.116	0.116	0.116	0118		
X	0.308	0.313		0.310	0.316	0.310	0.310		
Υ	0.760	0.765		0-760	0.760	0.760	0.760		
Z	0.352	0.372		8 368	0.368	0.365	0.368		
AA	0.470	0.530		0-500	0.500	0 500	0.500		
AB	0.615	0.635		6.624	0.626	0.626	0.626		
AC	0.053	0.073		0.063	0-063	0.063	0.067		
AD	0.240	0.260		0.250	6.249	0.854	0.253		
AE	1.375	1.395		1.386	1.388	1.386	1.385		
AF	0.115	0.135		0./30	0-/30	0-130	6./3/		
AG	0.240	0.280		0.260	0.260	0.260	0.266		
AH	0.240	0.260		0.255	0.854	0.254	0.257		
ΑI	2.000	2.020		2.001	2.002	2.000	2.600		
AJ	0.023	0.043		0.030	0:-030	0.030	0.031		
	Acc	ept/Reje	ct						

		<u> </u>	
Measured by:	En	Audited by	The
Date:	06/03/29	Date:	04/03/27

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.24	Re-format; Added Rev. D	KJ	,
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	·



Chris Provencal

David Shepherd [davids@dartaero.com] From: March 28, 2006 11:13 AM Sent: Chris Provencal To: Re: NCR D2571 saddle Subject: Scrap the part. Too thin. ---- Original Message -----From: "Chris Provencal" <cprovencal@dartaero.com> To: "David Shepherd (E-mail)" <davids@dartaero.com> Sent: Tuesday, March 28, 2006 9:00 AM Subject: NCR D2571 saddle > David, One D2571 saddle: > -The radius of the part mating with the skidtube should be R2.000" > +0.020/-0.000, the radius is R1.991" -The wall of that section should be 0.125", it is 0.188" > If they fix the radius so that its R2.000 to properly fit the skidtube, then > the wall thickness would end up being 0.108". I checked the SR and I don't see anything that addresses that section. > Sincerely, > Chris Provencal > DART Aerospace Ltd. > Email..cprovencal@dartaero.com > Phone...613-632-3336 > Fax.....613-632-4443